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L2	6	("20050065950" "20010029470" "6845448").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/25 16:29
L3	139645	contact with (data or information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/25 16:30
L4	131	l3 with schema	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/25 16:30
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L6	82	l4 and (conver\$5 or translat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/25 16:31
L7	63	l6 and xml	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/25 16:32

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A web-based collaborative product design platform for dispersed network manufacturing

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Available online 28 March 2003.

Abstract

Many multi-national companies have operations in geographically different locations. They need to communicate and work concurrently on large amount of complex product data with their factories, sub-contractors as well as suppliers across the border. The use of e-mail and fax are not satisfactory as they are time consuming and ineffective. In this paper, a web-based collaborative product design platform is proposed which enables authorized users in geographically different locations to have access to the company's product data such as product drawing files stored at designated servers and carry out product design work simultaneously and collaboratively on any operating systems. There is no need for the users to install any utility software at their ends since the access is based on a remote screen sharing technique built upon a Browser/Server and thin client technology. This results in substantial saving in the cost and the product development time in a network environment.

Author Keywords: Web-based; Collaborative product design; Product data management; Dispersed network manufacturing

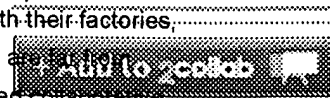
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[book] Understanding Web Services: XML, Wsdl, Soap, and UDDI - all 3 versions »

E Newcomer - 2002 - books.google.com

... contains the data, and the **schema**, which describes ... a common format for XML messages

over ... categorization criteria to obtain **contact information** for businesses ...

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A web-based collaborative product design platform for dispersed network manufacturing - all 4 versions »

HF Zhan, WB Lee, CF Cheung, SK Kwok, XJ Gu - Journal of Materials Processing Tech., 2003 - Elsevier

... management (PDM): these are running in a **native mode** in ... An **XML schema** with a neutral

format, which can be ... A generic **XML format converter** will be used so that ...

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[PDF] XML-based Network Management - all 13 versions »

P Shafer, SS Engineer - White Paper, Juniper Networks, Inc, 2001 - cn.juniper.net

... allowing insertion of application-specific information into a **schema**. ... The **XML API** presents configuration data in the same hierarchy as the **native JUNOS UI** ...

Cited by 5 - Related Articles - View as HTML - Web Search

Development of an Internet-enabled interactive fixture design system - all 5 versions »

F Mervyn, A Senthil kumar, SH Bok, AYC Nee - Computer-Aided Design, 2003 - Elsevier

... Roy and Kodkani [21] proposed the use of a translator to **convert CAD models** ... kernel was written in a **native language**, a Java **native interface** (JNI ... 4. **XML Schema**. ...

Cited by 21 - Related Articles - Web Search

EMDep: a web-based system for the deposition and validation of high-resolution electron microscopy ... - all 6 versions »

K Henrick, R Newman, M Tagari, M Chagoyen - Journal of Structural Biology, 2003 - Elsevier

... of biological macromolecules and their assemblies in their **native** state ... be validated against the file upload **schema**, and then added to the users data **XML**. ...

[Cited by 6](#) - [Related Articles](#) - [Web Search](#)

[Transparent ICD and DRG coding using information technology: linking and associating information ... - all 8 versions »](#)

S Hoelzer, RK Schweiger, J Dudeck - Journal of the American Medical Informatics Association, 2003 - Elsevier

... In addition, features of the **XML schema**, such as data ... of ICD-10 into the **XML** representation, while ... Furthermore, a **native XML** search engine builds a technical ...

[Cited by 2](#) - [Related Articles](#) - [Web Search](#)

[\[PDF\] Using XML effectively in eBusiness architectures](#)

R Bodkin - Proceeding of XML Europe 2000, 2000 - gca.org

... <http://wdvl.com/Authoring/Languages/XML/Schema.html> provides a ... oriented fashion involves

encapsulating **XML** documents through **native** objects, which ...

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[\[PDF\] XML? We do that! - all 2 versions »](#)

A Friebe - Proceedings of the 28 thSAS Users Group International ..., 2003 - sas.com

... **XML** markup standard 4 . The newest **native** support XMLtype is ... to **convert** an existing DTD to **XML Schema** notation. ... [www.sas.com/rnd/base/index-xml- resources.html](http://www.sas.com/rnd/base/index-xml-resources.html) ...

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[BOOK] [XML Data Management: Native XML and XML-Enabled Database Systems - all 3 versions »](#)

AB Chaudhri, A Rashid, R Zicari - 2003 - books.google.com

... 12.4.4 Conversion of Image Data into XML 344 ... between an **XML-Enabled Database** and

a **Native XML Database** ... Similarly, the **XML schema** language used to describe the ...

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[Native data representation: An efficient wire format for high-performance distributed computing - all 15 versions »](#)

G Eisenhauer, FE Bustamante, K Schwan - IEEE Transactions on Parallel and Distributed Systems, 2002 - doi.ieeecomputersociety.org

... These **native conversion** subroutines are cached, based on the ... The runtime generation

of **conversion** subroutines is ... declaration or even an **XML schema** (see Fig. ...

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[Current approaches to XML management - all 13 versions »](#)

UL Nambiar, Z Bressan, SMLLY Li - Internet Computing, IEEE, 2002 - ieexplore.ieee.org

... Lore is not exactly **native** since it is a semistructured ... Lore, the most difficult aspect of **convert-** ing **XML** ... the **XML** data in tables according to the **XML schema**. ...

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[BOOK] [Understanding Web Services: XML, Wsdl, Soap, and UDDI - all 3 versions »](#)

E Newcomer - 2002 - books.google.com

... 2, Describing Information: **XML** The Extensible Markup Language (**XML**), like the ... the

document instance, which contains the data, and the **schema**, which describes ...

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[Overview of IFC model server framework](#)

Y Adachi - EWork and EBusiness in Architecture, Engineering and ..., 2002 - books.google.com

... other **XML** Figure 2. EXPRESS **Conversion** framework ... 1. 3 Comparison between Relational

and **XML native** database The ... and to define the table for specific **XML schema**. ...

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[Open Metadata Formats: Efficient XML-Based Communication for High Performance Computing - all 17 versions »](#)

P Widener, G Eisenhauer, K Schwan, FE Bustamante - Cluster Computing, 2002 - Springer

... run-time library; its function is to **convert** meta- data ... a mapping from the supported set of **XML Schema** data types to those supported by the **native** system ...

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[XMark: a benchmark for XML data management - all 22 versions »](#)

A Schmidt, F Waas, M Kersten, MJ Carey, I ... - Proceedings of the 28th international conference on Very ..., 2002 - portal.acm.org

... the rudimentary **XML** support like **conversion** of purely ... **XML**, by definition, is a textual

markup language ... Externally provided **schema** information, which may or may ...

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[Interactive Migration of Legacy Databases to Net-Centric Technologies - all 5 versions »](#)

Y Bychkov, JH Jahnke - Proceedings of the Eighth Working Conference On Reverse ..., 2001 - doi.ieeecomputersociety.org

... described in section 3.3) to the **native XML schema** until this modified **schema** matches

the interchange **schema**; generating an XSLT-based data **conversion** agent. ...

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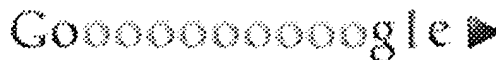
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